

IN THE CLAIMS:

This Listing of Claims will replace all prior versions, and listings, of claims
in the subject Patent Application:

Listing of Claims:

Sub 1. 1. (Currently Amended) A communications and data display system ~~for use~~
~~on a common protocol wireless network~~ comprising:

a projection system for displaying a shared image, the projection system
including a projector wireless transceiver and a controller; and

at least first and second data appliances each operable to display at least a
portion of the shared image thereat, the first and second data
appliances respectively including a first and second wireless
transceivers, wherein:

the first and second wireless transceivers are independently operable
to transfers graphical data over the common protocol wireless
network to the projector wireless transceiver;

the projection system displays the shared image responsive to the
graphical data; and

the transfer ~~and the display~~ of the graphical data and display of the
shared image are is controlled by the controller using first
control data, ~~the first control data being transferred over the~~
~~common protocol wireless network;~~

whereby each of the first and second data appliances provides a capability
to modify the shared image.

2. **(Currently Amended)** The communications and data display system of claim 1, ~~further comprising:~~

~~a second data appliance including a second wireless transceiver, wherein:~~

the first wireless transceiver transfers a first signal ~~over the~~
~~common protocol wireless network~~ to the projector wireless
transceiver;

the projector wireless transceiver transfers the first signal ~~over the~~
~~common protocol wireless network~~ to the second wireless
transceiver; and

the transfer of the first signal from the first data appliance to the
second data appliance is controlled by the controller using
second control data, ~~the second control data being transferred~~
~~over the common protocol wireless network.~~

3. **(Currently Amended)** The communications and data display system of claim 2, wherein:

the second wireless transceiver transfers a second signal ~~over the common~~
~~protocol wireless network~~ to the projector wireless transceiver;

the projector wireless transceiver transfers the second signal ~~over the common protocol wireless network~~ to the first wireless transceiver;

and

the transfer of the second signal from the second data appliance to the first data appliance is controlled by the controller using the second control data.

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4. **(Currently Amended)** The communications and data display system of claim 1, wherein:

the projection system further comprises an interface to an external network;

the first wireless transceiver transfers a first signal ~~over the common protocol wireless network~~ to the projector wireless transceiver;

the projector wireless transceiver transfers the first signal to the external network; and

the transfer of the first signal from the first data appliance to the external network is controlled by the controller using third control data, ~~the third control data being transferred over the common protocol wireless network.~~

5. **(Currently Amended)** The communications and data display system of claim 4, wherein:

the external network transfers a second signal to the projector wireless transceiver;

the projector wireless transceiver transfers ~~over the common protocol wireless network~~ the second signal to the first wireless transceiver; and

the transfer of the second signal from the external network to the first data appliance is controlled by the controller using the third control data.

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6. (Previously Presented) The communications and data display system of claim 1, wherein:

the first data appliance further comprises a graphics chip, a processing unit, a memory and a MUX;

the processing unit takes keyboard input from a local keyboard;

the processing unit takes memory graphics input from the memory and provides processing-unit memory output to the memory;

the processing unit provides processing-unit graphics output to the graphics chip and to the MUX;

the processing unit provides processing-unit control output to the MUX;

the graphics chip provides graphics-chip output to a local display and to the MUX; and

the MUX provides MUX output to the first wireless transceiver, the MUX output having a compression format selected from the group consisting of compressed and uncompressed.

7. **(Currently amended)** The communications and data display system of claim 1, wherein:

the projection system further comprises a graphics converter and a projector;

the graphics converter receives the graphical data from the projector wireless transceiver and transfers uncompressed graphical data to the projector; and

the projector displays the shared image responsive to the uncompressed graphical data.

8. **(Previously Presented)** The communications and data display system of claim 7, wherein the graphics converter includes an application-aware graphics chip that transforms compressed graphics data to the uncompressed graphics data.

9. **(Previously Presented)** The communications and data display system of claim 8, wherein:

the compressed graphical data includes compressed motion graphics or video data; and

the uncompressed graphical data includes uncompressed motion graphics or video data.

10. **(Currently Amended)** A communications and data display system ~~for use on a common protocol wireless network~~ comprising:

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a projection system for displaying a shared image, the projection system including a projector wireless receiver and a controller; and
at least first and second data appliances each operable to display at least a portion of the shared image thereat, the first and second data appliances respectively including a first and second wireless transmitters, wherein:

the first and second wireless transmitters are independently operable to transfers graphical data over the common protocol wireless network to the projector wireless receiver;

the projection system displays the shared image responsive to the graphical data; and

the transfer ~~and the display~~ of the graphical data and display of the shared image are is controlled by the controller using control data, ~~the control data being transferred over the common protocol wireless network;~~

whereby each of the first and second data appliances provides a capability to modify the shared image.

11. (Previously Presented) The communications and data display system of claim 10, wherein:

the first data appliance further comprises a graphics chip, a processing unit,
a memory and a MUX;

the processing unit takes keyboard input from a local keyboard;

the processing unit takes memory graphics input from the memory and
provides processing-unit memory output to the memory;

the processing unit provides processing-unit graphics output to the graphics
chip and the MUX;

the processing unit provides processing-unit control output to the MUX;

the graphics chip provides graphics-chip output to a local display and to the
MUX; and

the MUX provides MUX output to the first wireless transmitter, the MUX
output having a compression format selected from the group
consisting of compressed and uncompressed.

12. (**Currently amended**) The communications and data display system of claim 10, wherein:

the projection system further comprises a graphics converter and a
projector;

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the graphics converter receives the graphical data from the projector wireless receiver and transfers uncompressed graphical data to the projector; and
the projector displays the shared image responsive to the uncompressed graphical data.

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13. (Previously Presented) The communications and data display system of claim 12, wherein the graphics converter includes an application-aware graphics chip that transforms compressed graphics data to the uncompressed graphics data.

14. **(Currently Amended)** A method for communication and data display ~~over a common protocol wireless network~~, comprising:

transmitting graphical data ~~over the common protocol wireless network~~
from at least one of first and second wireless transceivers of a
respective first and second data appliances to a projector wireless
transceiver of a projection system;

displaying a shared image responsive to the graphical data with the
projection system;

displaying at each of the first and second data appliances at least a portion
of the shared image; and

controlling the transmitting of the graphical data and the displaying of the
shared image ~~graphical data~~ with a controller using first control

~~data, the first control data being transferred over the common
protocol wireless network;~~

whereby each of the first and second data appliances provides a capability
to modify the shared image.

15. **(Currently Amended)** The method of claim 14, further comprising:

transmitting a first signal ~~over the common protocol wireless network~~ from

the first wireless transceiver to the projector wireless transceiver;

transmitting the first signal ~~over the common protocol wireless network~~

from the projector wireless transceiver to a the second wireless

transceiver of a the second data appliance; and

controlling the transmission of the first signal from the first data appliance

to the second data appliance with the controller using second control

~~data, the second control data being transferred over the common-~~

~~protocol wireless network.~~

16. **(Currently Amended)** The method of claim 15, further comprising:

transmitting a second signal ~~over the common protocol wireless network~~

from the second wireless transceiver to the projector wireless

transceiver;

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transmitting the second signal ~~over the common protocol wireless network~~
from the projector wireless transceiver to the first wireless
transceiver; and
controlling the transmission of the second signal from the second data
appliance to the first data appliance with the controller using the
second control data.

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17. **(Currently Amended)** The method of claim 14, further comprising:
transmitting a first signal ~~over the common protocol wireless network~~ from
the first wireless transceiver to the projector wireless transceiver;
transmitting the first signal from the projector wireless transceiver to an
external network, the projection system including an interface to the
external network; and
controlling the transmission of the first signal from the first data appliance
to the external network with the controller using third control data;
~~the third control data being transferred over the common protocol
wireless network.~~

18. **(Currently Amended)** The method of claim 17, further comprising:
transmitting a second signal from the external network to the projector
wireless transceiver;

transmitting the second signal ~~over the common protocol wireless network~~
from the projector wireless transceiver to the first wireless
transceiver; and
controlling the transmission of the second signal from the external network
to the first data appliance with the controller using the third control
data.

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19. (Previously Presented) The method of claim 14, further comprising:
transmitting a keyboard input from a local keyboard to the first data
appliance;
converting compressed graphical data to uncompressed graphical data at the
first data appliance; and
controlling a flow of uncompressed graphical data and compressed
graphical data to the first wireless transceiver.

- 20 (Previously Presented) The method of claim 19, wherein:
the compressed graphical data includes compressed motion graphics or
video data; and
the uncompressed graphical data includes uncompressed motion graphics or
video data.

21. **(Currently amended)** The method of claim 14, further comprising:
converting compressed graphical data to uncompressed graphical data at the
projection system;
controlling a flow of uncompressed graphical data to a projector of the
projection system; and
using the projector to display the shared image responsive to the
uncompressed graphical data.

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22. (Original) The method of claim 21, wherein converting compressed
graphical data to uncompressed graphical data includes using an application-aware
graphics chip to transform compressed graphical data to uncompressed graphical
data.

23. **(Currently Amended)** The communications and data display system of
claim 1, wherein the first control data includes at least one of:
projector control data of the projection system; and
a first control signal of the first data appliance transferred ~~over the~~
~~common protocol wireless network~~ from the first wireless
transceiver to the controller via the projector wireless transceiver.

24. **(Currently Amended)** The communications and data display system of
claim 2, wherein the second control data includes at least one of:
projector control data of the projection system;

a first control signal of the first data appliance transferred ~~over the common protocol wireless network~~ from the first wireless transceiver to the controller via the projector wireless transceiver; and

a second control signal of the second data appliance transferred ~~over the common protocol wireless network~~ from the second wireless transceiver to the controller via the projector wireless transceiver.

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25. **(Currently Amended)** The communications and data display system of claim 4, wherein the third control data includes at least one of:

projector control data of the projection system;

a first control signal of the first data appliance transferred ~~over the common protocol wireless network~~ from the first wireless transceiver to the controller via the projector wireless transceiver; and

an external control signal of the external network transferred to the controller via the interface to the external network.

26. **(Currently Amended)** The communications and data display system of claim 10, wherein the control data includes at least one of:

projector control data of the projection system; and

a first control signal of the first data appliance transferred ~~over the~~
~~common protocol wireless network~~ from the first wireless
transmitter to the controller via the projector wireless receiver.

27. **(Currently Amended)** The communications and data display system of
claim 14, wherein the first control data includes at least one of:

projector control data of the projection system; and

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a first control signal of the first data appliance transferred ~~over the~~
~~common protocol wireless network~~ from the first wireless
transceiver to the controller via the projector wireless transceiver.

28. **(Currently Amended)** The communications and data display system of
claim 15, wherein the second control data includes at least one of:

projector control data of the projection system;

a first control signal of the first data appliance transferred ~~over the~~
~~common protocol wireless network~~ from the first wireless
transceiver to the controller via the projector wireless transceiver;
and

a second control signal of the second data appliance transferred ~~over the~~
~~common protocol wireless network~~ from the second wireless
transceiver to the controller via the projector wireless transceiver.

29. **(Currently Amended)** The communications and data display system of claim 17, wherein the third control data includes at least one of:

projector control data of the projection system;

a first control signal of the first data appliance transferred ~~over the common protocol wireless network~~ from the first wireless transceiver to the controller via the projector wireless transceiver; and

an external control signal of the external network transferred to the controller via the interface to the external network.

30. **(Currently amended)** The communications and data display system of claim 1, wherein the graphical data is transferred ~~common protocol wireless network operates~~ at frequencies of approximately 5 GHz.

31. **(Currently amended)** The communications and data display system of claim 10, wherein the graphical data is transferred ~~common protocol wireless network operates~~ at frequencies of approximately 5 GHz.

32. **(Currently amended)** The method for communication and data display of claim 14, wherein the graphical data is transferred ~~common protocol wireless network operates~~ at frequencies of approximately 5 GHz.